

# MICHIGAN STATE UNIVERSITY

October 6, 2020

## Post-doc Research Associate

MSU DOE Plant Research Laboratory

Michigan State University  
East Lansing MI USA

### Project title: Homeostasis of the plant endoplasmic reticulum

One NSF-funded position for a Post-doc Research Associate is available immediately to join a productive team of investigators in the laboratory of Dr. Federica Brandizzi at the Plant Research Laboratory, Michigan State University.

(<https://prl.natsci.msu.edu/people/faculty/federica-brandizzi/>)

(<https://pubmed.ncbi.nlm.nih.gov/?term=brandizzi+f&sort=date>)

The project focuses on the structure of the plant endoplasmic reticulum (ER). The research will dissect the function of novel proteins involved in the establishment and maintenance of the plant ER network, using multidisciplinary approaches, including proteomics, biochemistry, cellular and molecular biology, genomics and advanced live-cell imaging in the model plant species *Arabidopsis thaliana*.

The applicants must have a strong background in *Arabidopsis* genetics, molecular biology, gene expression analyses, biochemistry, microscopy and genomics. Experience of working on plant endomembranes is highly desirable but not essential.

The post-doc research associate will be responsible for designing and performing experiments, analyzing data, helping with manuscript and grant preparation, overseeing and training other lab personnel.

Candidates for the position should have a Ph.D., a record of publication in peer-reviewed journals and a strong background in cellular and molecular biology. Experience in *Arabidopsis* genomics is essential. Experience with the plant secretory pathway and stress responses is desirable.

**Specialties:** Cell Biology - Molecular Biology/Gene Regulation.

**Other Specialties:** Biochemistry, Genetics, Proteomics.

**Application Instructions:** Please submit a brief description of research experience, curriculum vitae, and the names and contact information of three references to Dr Federica Brandizzi (e-mail: fb@msu.edu).

Posting reference #675374: Research Associate-Fixed Term



### MSU-DOE Plant Research Lab

Plant Biology  
Laboratories  
612 Wilson Road  
Room 106  
East Lansing, MI  
48824

phone: 517-355-2270  
fax: 517-353-9168

<http://www.prl.msu.edu>